

Lead-Based Paint Risk Assessment Report

For the Dwelling Located at:

Alana Breshears
4411 68 E. 240 Rd.
Vinita, OK 74301
36.671081 N, 95.141382 W
Built in: 1921

Prepared For:

Cherokee Nation Housing Rehabilitation
Using ODEQ, EPA and CN Work Practice Standards
Established in 40 CFR 745-227

Lab Analysis by Quantem Laboratories
AIHA-ELLAP 101352
2033 Heritage Park Dr.
Oklahoma City, OK
(405) 775-7272

By:

C. Nick Clark, Certified Risk Assessor
P.O. Box 948
Tahlequah, OK 74465
(918) 316-7451
Heuresis Pb200i
SN: 2312

Signature: *C. Nick Clark*

Date: 10-1-21

OK Firm No.: OKFIRM11198
CN Firm No.: CNFIRM00001

OK License No.: OKRASR13910
CN License No.: CNRASR00036

Table of Contents

Part I: Identifying Information

Identity of dwelling(s) covered by report, identity of property(ies).

1. Risk Assessor, Name of Certificate (or License) and Number and State issuing certificate/license.
2. Property Owner Name, Address, and Phone Number.
3. Date of Report, Date of Environmental Sampling.

Part II: Completed Management, Maintenance, and Environmental Results Forms and Analyses

4. List of Location and Type of Identified Lead Hazards including and indication of which hazards are priorities (this summary should be suitable for use as notification to residents).
5. Optional Management Information (Form 5.6) (not required if all dwellings were sampled).
6. Maintenance/Paint Condition Information (Form 5.2 or 5.7)
7. Building Condition (Form 5.1)
8. Brief Narrative Description of Dwelling Selection Process (not required if all dwellings were sampled).
9. Analysis of Previous XRF Testing Report (if applicable).
10. Deteriorated Paint Sampling Results (Form 5.3 or 5.3a)
11. Dust Sampling Results (Form 5.4 or 5.4a)
12. Soil Sampling Results (Form 5.5)
13. Other Sampling Results (if applicable)

Part III: Lead Hazard Control Plan

14. Lead-Based Paint Policy Statement (not applicable for homeowners).
15. Name of individual in Charge of Lead-Based Paint Hazard Control Program.
16. Recommended Changes to Work Order System and Property Management (optional, not applicable for homeowners or property owner without work order systems).
17. Acceptable Interim Control Options for This Property and Estimated Costs.
18. Acceptable Abatement Options for This Property.
19. Reevaluation Schedule (if applicable).
20. Interim Control/Abatement to Be Implemented in This Property.
21. A Training Plan for Managers, Maintenance Supervisors, and Workers (this should include named individuals), if applicable.
22. Method of Resident Notification of Results of Risk Assessment and Lead Hazard Control Program (not applicable for homeowners). Note: This section should include a discussion of how residents are to be educated about lead poisoning, *before* the risk assessment results are released.
23. Signature (Risk Assessor) and Date.
24. All laboratory raw data.

Part IV: Appendix

Part I: Identifying Information

Alana Breshears
4411 68 E. 240 Rd. Vinita, OK 74301
918-244-1050
36.671081 N, -95.141382 W
Built in: 1921

Part II: Results

List of location and type of identified lead hazards:

Deteriorated Lead-Based Paint (Hazards):

Table with columns: Read, Conc, Units, 3 SD, Result, Nom, Secs, Date, Time, Room, -->RoomChoice, Structure, -->Member, Substrate, Wall, Cond. Rows include data for locations like Living Room Door, Exterior House Door, Exterior House Porch, and Exterior House Window.

Lead in Dust Hazards:

- Living Room WT
Bedroom 1 WS
Bath 2 Floor
Bath 2 WT
Bedroom 3 Floor

Lead in Soil Hazards:

- No Hazards Exist

A few other painted surfaces that have not been tested for lead are in "poor" condition and should be repainted within the next year before further deterioration occurs. However, these surfaces are not considered to be immediate "hazards," using criteria in the 2012 HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing. Those surfaces are:

NA

There has not been any previous lead-based paint testing at this dwelling, although a lead-based paint inspection of all painted surfaces is recommended so that potential lead problems can be monitored before they become hazardous.

Soil lead levels were all below 400 ug/g. Current EPA and HUD Guidance for soil is 400ug/g for bare play areas and 1,200 ug/g for other areas. Using these criteria, soil is not a hazard at this property.

The owner has decided to select the following hazard control measures, which are all acceptable based on HUD's *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*:

Reevaluation: Standard Reevaluation Schedule 3 contained in the HUD Guidelines does apply to this property, since one of the rooms had a dust lead level greater than the standard. Therefore, the dwelling should be reevaluated in NA (12 months from now). If no lead-based paint hazards are identified at this time, no further reevaluations are needed. However, since lead-based paint may be present in the dwelling, the owner should monitor the condition of all painted surfaces at least annually or whenever other information indicates a potential problem.

Resident Questionnaire

Children/Children's Habits

1. (a) Do you have any children that live in your home? Yes ___ No X ___
- (b) If yes, how many? ___ Ages? ___
- (c) Record blood lead levels, if known ___

IF NO CHILDREN, SKIP TO Q.5

2. Locate the rooms/areas where each child sleeps, eats, and plays.

Name of Child	Location of Bedroom	Location of All Rooms Where Child Eats	Primary Location Where Child Plays <u>Indoors</u>	Primary Location Where Child Plays <u>Outdoors</u>

3. Where are toys stored/kept? _____
4. Is there any visible evidence of chewed or peeling paint on the wood work, furniture, or toys?
Yes _____ No _____

Family Use Patterns

5. Which entrances are used most frequently? ___ A entrance _____
6. Which windows are opened most frequently? ___ none _____
7. Do you use window air conditioners? If yes, where? _____ No X ___
(Condensation often causes paint deterioration)
8. (a) Do any household member engage in gardening? Yes _____ No X ___
(b) Record the location of any vegetable garden. _____
(c) Are you planning any landscaping activities that will remove grass or ground covering?
Yes _____ No X ___
9. (a) How often is the household cleaned? ___ weekly _____
(b) What cleaning methods do you use? ___ soap/water _____
10. (a) Did you recently complete any building renovations? Yes _____ No x ___
(b) If yes, where? _____

- (c) Was building debris stored in the yard? If yes, where? _____
11. Are you planning any building renovations? Where? Exterior and interior
12. (a) Do any household members work in a lead-related industry? Yes ___ No X
- (b) If yes, where are dirty work clothes placed and cleaned? _____

Building Condition Form

CONDITION	YES	NO
Roof Missing Parts of Surfaces (tiles, boards, etc.)		X
Roof Has Holes or Large Cracks		X
Gutter or Downspouts Broken	X	
Chimney Masonry cracked, bricks loose or missing, obviously out of plumb		X
Exterior or interior walls have obvious large cracks or holes, requiring more than routine painting		X
Exterior siding has missing boards or shingles	X	
Water stains on interior walls or ceilings		X
Plaster walls deteriorated		X
Two or more windows or doors broken, missing, or boarded up		X
Porch or steps have major elements broken, missing, or boarded up		X
Foundation has major cracks, missing material, structural leans, or visibly unsound		X
Total	2	9

If the "Yes" column has 2 or more checks, the dwelling is considered to be in poor condition for the purposes of a risk assessment. However, specific conditions and extenuating circumstances should be considered before determining final condition of the building and the appropriateness of a lead hazard screen.

Notes:

Overall, the home is in poor condition.

8. Dwelling Selection Process N/A
9. Analysis of Previous XRF Testing Report N/A

Field Sampling Form for Deteriorated Paint

Name of Risk Assessor Nick Clark
 Name of Property Owner Alana Breshears
 Property Address _____
 Sampling Protocol Single Family

Target Dwelling Criteria (Check All That Apply)

- Code Violations
- Judged to be in Poor Condition
- Presence of two or More Children between Ages of 6 Months and 6 Years
- Serves as Day-Care Facility
- Recently Prepared for Reoccupancy
- Random Sampling **XRF SN 2312**
- None of the above

Nom															
Read	Conc	Units	3SD	Result	<input checked="" type="checkbox"/> Y	Secs	Date	Time	Room	-->RoomChoi	Structure	-->Memb	Substrate	Wall	Cond
88	1.9	mg/cm2	0.2	Positive		2	9/22/2021	14:17:23	House	Living Room	Door	Casing	Wood2	A2	Intact
143	4.6	mg/cm2	0.2	Positive		2	9/22/2021	14:37:47	Exterior	House	Door	Jamb	Wood13	A2	Intact
147	5.7	mg/cm2	0.2	Positive		2	9/22/2021	14:39:58	Exterior	House	Porch	Headers	Wood17	A6	Intact
148	2.2	mg/cm2	0.2	Positive		2	9/22/2021	14:42:47	Exterior	House	Window		Wood18	B1	Intact

Sample all layers of paint, not just deteriorated paint layers

Total Number of Samples This Page 4
 Page 1 of 1
 Date of Sample Collection 9/22/2021

Field Sampling

Form for Dust

Sample Number	Room (Record Name of Room Used by the Owner or Resident)	Surface Type	Is Surface Smooth and Cleanable?	Dimension ¹ of Sample Area (inches x inches)	Area (in ²)	Result of Lab Analysis (ug/ft ²)
01	Living Room	Floor	Yes	12x12	144	<5.0
02	Living Room	WS	Yes	3.50 x 19	66.50	32
03	Living Room	WT	Yes	5 x 19	95	500
04	Bedroom 1	Floor	Yes	12x12	144	<5.0
05	Bedroom 1 WS	WS	Yes	2 x 33	133	400
06	Bath 2	Floor	Yes	12 x 12	144	<19
07	Bath 2	WS	Yes	4.75 x 28	133	7.6
08	Kitchen	WS	Yes	1.50 x 26	39	130
09	Bathroom	Floor	Yes	12 x 12	144	<19
10	Bedroom 3 WS	WS	Yes	4.50 x 28	126	17
11	Bedroom 3 WT	WT	Yes	1.50 x 26	39	72

¹ Measure to the nearest 1/16 inch

Total Number of Samples This Page 11

Page 1 of 1

Date of Sample Collection 9/22/2021 Date shipped to lab 9/23/2021

Shipped by C. Nick Clark Received by EMSL Analytical Staff C. Nick Clark
 (signature) (signature)

HUD Standards: 10 ug/ft² (floors), 100 ug/ft² (interior window sills), 100 ug/ft² (window troughs)

Field Sampling Form For Soil

(Composite Sampling Only)

Name of Risk Assessor C. Nick Clark

Name of Property Owner Alana Breshears

Property Address 4411 68 E. 240 Rd. Vinita, OK 74301

SAMPLE NO.	LOCATION	BARE OR COVERED	LAB RESULTS ug/g
12	Drip Line	Bare	220

Collect only the 1/2" of soil

Total Number of Samples This Page 1

Page 1 of 1

Date of Sample Collection 9/22/2021 Date Shipped to lab 9/22/2021

Shipped by C. Nick Clark Received by EMSL Analytical C. Nick Clark
(signature) (signature)

13. Other Sampling Results N/A

Part III: Lead Hazard Control Options

14. Lead-Based Paint Policy Statement

On file CNEP and Cherokee Nation Housing Rehab

15. Name of Individual in Charge of Lead-Based Paint Hazard Control Program:

Cherokee Nation Housing Rehab - George Hubbard: 918-456-5482 ext. 1263

16. Recommended Changes to Work Order System and Property Management

The existing work order system is an informal verbal one. If painted surfaces will be disturbed during a particular repair job, the painted surface should be tested to determine if it has lead-based paint on it. If it does (or if testing is not completed), the maintenance worker should take the necessary precautions by wetting down the surface and performing cleanup. If the surface area is large or if the work will generate a significant amount of dust, clearance testing should be completed before residents move back into the room. The table below can be used as a general guide in determining whether maintenance jobs are likely to be high risk or low risk.

When work is assigned, the owner or worker should determine whether the job is low or high risk and adopt protective measures as needed.

**Table 17.1 (Taken from HUD Guidelines)
Summary of Low-and High-Risk Job Designations for Surfaces Known or Suspected to Have Lead-Based Paint**

Job Description	Low Risk	High Risk
Repainting (includes surface Preparation)		√
Plastering or wall repair		√
Window repair		√
Water or moisture damage repair (repainting and plumbing)		√
Door repair	√	
Building component replacement		√
Welding on Painted Surfaces		√
Door lock repair or replacement	√	
Electrical fixture repair	√	
Floor refinishing		√
Carpet replacement		√

Groundskeeping	√	
Radiator leak repair	√	
Baluster repair (metal)		√
Demolition		√

- **High-risk jobs typically disturb more than 2 square feet per room. If these jobs disturb less than 2 square feet, then they can be considered low-risk jobs.**

Table 17.2

	Low Risk	High Risk
Worksite preparation with plastic sheeting (6 mil thick)	Plastic sheet no less than 5 feet immediately underneath work area	Whole floor, plus simple airlock at door or tape door shut
Children kept out of work area	Yes	Yes
Resident relocation during work	No	Yes
Respirators	Probably not necessary*	Recommended
Protective clothing Note: Protective shoe coverings are not to be worn on ladders, scaffolds, etc.	Probably not necessary*	Recommended
Personal hygiene (enforced hand washing after job)	Required	Required
Showers	Probably not necessary	Recommended
Work practices	Use wet methods, except near electrical circuits	Use wet methods, except near electrical circuits
Cleaning	Wet cleaning with lead-specific detergent trisodium phosphate or other suitable detergent around the work area only (2 linear feet beyond plastic)	HEPA vacuum/wet wash/HEPA vacuum the entire work area
Clearance	Visual examination only	Dust sampling during the preliminary phase of the maintenance program and periodically thereafter (not required for every job)

- **Employers must have objective data showing that worker exposures are less than the OSHA Permissible Exposure Limit of 50ug/m3 if respirators and protective clothing will not be provided.**

17. Interim Control Options and Estimated Costs

The costs shown below include labor, materials, worker protection, site containment and cleanup. These are only very rough estimates that may not be accurate; a precise estimate should be obtained from a certified lead-based paint abatement contractor. I would be pleased to perform clearance testing after this work has been completed at your request.

Lead-Based Paint Hazards:

Hazards –

Read	Conc	Units	3SD	Result	Nom ▼ Secs	Date	Time	Room	-->RoomChoice	Structure	-->Member	Substrate	Wall	Cond
88	1.9	mg/cm2	0.2	Positive	2	9/22/2021	14:17:23	House	Living Room	Door	Casing	Wood2	A2	Intact
143	4.6	mg/cm2	0.2	Positive	2	9/22/2021	14:37:47	Exterior	House	Door	Jamb	Wood13	A2	Intact
147	5.7	mg/cm2	0.2	Positive	2	9/22/2021	14:39:58	Exterior	House	Porch	Headers	Wood17	A6	Intact
148	2.2	mg/cm2	0.2	Positive	2	9/22/2021	14:42:47	Exterior	House	Window		Wood18	B1	Intact

A side Door and Casing & Door Jamb, A side Porch Headers, Wooden Windows - Wet scrape and Repaint

Lead Dust Hazards:

Hazard A. Living Room WT
 Hazard B. Bedroom 1 WS
 Hazard C. Bath 2 Floor
 Hazard D. Bath 2 WT
 Hazard E. Bedroom 3 Floor

HEPA Vacuum/Wet Mop/HEPA Vacuum

Lead Soil Hazards:

Hazard A. Dripline – No Hazards Exist

18. Acceptable Abatement Options

Lead-Based Paint Hazards

Hazard A: A side Door Casing
 Hazard B: A side Door Jamb
 Hazard C: A side Porch Headers
 Hazard D: Wooden Windows

Remove and Replace
 Remove and Replace
 Enclose/Encapsulate/Remove and Replace
 Remove & Replace/ Enclose

Lead Dust Hazards:

Hazard A. Living Room WT

HEPA Vacuum/Wet Mop/HEPA Vacuum

Hazard B. Bedroom 1 WS
Hazard C. Bath 2 Floor
Hazard D. Bath 2 WT
Hazard E. Bedroom 3 Floor

Lead Soil Hazards:

Hazard A. Dripline -- No Hazards Exist

19. Reevaluation and Monitoring Schedule

Each of these treatments will need to be reexamined periodically to make certain that they remain effective and to ensure that new lead-based paint hazards do not appear. The interim controls shown above are less expensive initially, but they may be more expensive in the long run since they need to be reevaluated more frequently. The replacement and paint removal methods are more expensive initially, but do not require any reevaluation.

The owner should monitor the condition of the paint at least annually or if there is some indication that paint might be failing. A professional reevaluation is also needed. The standard schedule for reevaluation the dwelling is shown above.

Reevaluation: Standard Reevaluation Schedule 3 contained in the HUD Guidelines applies to this property, since one of the rooms had a dust lead level greater than the standard. Therefore, the dwelling should be reevaluated in 9/22/2022 (12 months from now). If no lead-based paint hazards are identified at that time, another reevaluation should be conducted in 9/22/2023 (2 years later). If no lead-based paint hazards are identified at that time, no further reevaluations are needed. However, since lead-based paint may be present in the dwelling, the owner should monitor the condition of all painted surfaces at least annually or whenever other information indicates a potential problem.

Part IV: Site Specific Lead Hazard Control Plan

- 20. Lead Hazard Control Option To Be Implemented in This Property
I recommend abatement options for all hazards listed in Part 3, Section 18 of this document.

- 21. Training Plan for Managers, Maintenance Supervisors and Workers
On file Cherokee Nation Housing Rehab

- 22. Method of Resident Notification of Results of Risk Assessment and Lead Hazard Control Program
In person by Cherokee Nation Housing Rehab

- 23. Signatures (Risk Assessor and Owner), Date and Certificate of Lead-Based Paint Compliance

Owner Signature

Date

Certified Risk Assessor Signature

Date

Certificate of Lead-Based Paint Compliance

I hereby certify that on _____ the dwelling located
at _____ meets the criteria established by the
Department of Housing and Urban Development for lead safety. Either no lead-based paint
hazards were identified or all lead-based paint hazards have been corrected.

Owner

C. Nick Clark
Authorized Inspector

Risk Assessor License # OKRASR13910

Expiration Date: March 31, 2022

Cherokee Nation
Environmental Programs



2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

Environmental Chemistry Analysis Report

Quantem Set ID: 339575	Client: Cherokee Nation Environmental Programs
Date Received: 09/28/21	Carlton N Clark
Received By: Cyonne Harrod	PO Box 948
Date Sampled:	Tahlequah, OK 74464
Time Sampled:	Acct. No.: C162
Analyst: CR	Project: John Doe
Date of Report: 09/30/21	Location: Vinita
AIHA LAP, LLC: 101352	Project No.: N/A

Quantem ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
001	1	Wipe	Lead	<5.0	5	ug/sq. Ft.	09/30/21 11:16	NIOSH 7082
002	2	Wipe	Lead	32	11	ug/sq. Ft.	09/30/21 11:16	NIOSH 7082
003	3	Wipe	Lead	500	7.6	ug/sq. Ft.	09/30/21 11:16	NIOSH 7082
004	4	Wipe	Lead	<5.0	5	ug/sq. Ft.	09/30/21 11:16	NIOSH 7082
005	5	Wipe	Lead	400	5.4	ug/sq. Ft.	09/30/21 11:16	NIOSH 7082
006	6	Wipe	Lead	<19	19	ug/sq. Ft.	09/30/21 11:16	NIOSH 7082
007	7	Wipe	Lead	7.6	5	ug/sq. Ft.	09/30/21 11:16	NIOSH 7082
008	8	Wipe	Lead	130	5.7	ug/sq. Ft.	09/30/21 11:16	NIOSH 7082
009	9	Wipe	Lead	<19	19	ug/sq. Ft.	09/30/21 11:16	NIOSH 7082
010	10	Wipe	Lead	17	5	ug/sq. Ft.	09/30/21 11:16	NIOSH 7082
011	11	Wipe	Lead	72	5	ug/sq. Ft.	09/30/21 11:16	NIOSH 7082
012	12	Soil	Lead	220	40	mg/kg	09/30/21 15:45	Soil EPA 7000B (1)

Note: Sample results have not been corrected for blank values.

This report applies only to the standards or procedures indicated and to the specific samples tested. It is not indicative of the qualities of apparently identical or similar products or procedures, nor does it represent an ongoing assurance program unless so noted. These reports are for the exclusive use of the client and are not to be reproduced without specific written permission. Quantem is not responsible for user-supplied data used in calculations. Customer provided data such as volumes, areas, etc., cannot be verified by Quantem Laboratories, LLC.

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Wipe materials must meet ASTM E1792 criteria. Method detection limits and resultant reporting limits may not be valid for non-ASTM E1792 wipe material.

EPA Method 7000B (1) = EPA 600/R-93/200 Preparation Modified. EPA 7000B Analysis Modified

EPA Method 7082 (2) = EPA 600/R-93/200 Preparation Modified. EPA 7082 Analysis Modified



2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

Environmental Chemistry Analysis Report

Quantem Set ID: 339575	Client: Cherokee Nation Environmental Programs
Date Received: 09/28/21	Carlton N Clark
Received By: Cyonne Harrod	PO Box 948
Date Sampled:	Tahlequah, OK 74464
Time Sampled:	Acct. No.: C162
Analyst: CR	Project: John Doe
Date of Report: 09/30/21	Location: Vinita
AIHA LAP, LLC: 101352	Project No.: N/A

Quantem ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
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Authorized Signature: *Cherry Rossen*
 Cherry Rossen, Technical Manager

Note: Sample results have not been corrected for blank values.

This report applies only to the standards or procedures indicated and to the specific samples tested. It is not indicative of the qualities of apparently identical or similar products or procedures, nor does it represent an ongoing assurance program unless so noted. These reports are for the exclusive use of the client and are not to be reproduced without specific written permission. Quantem is not responsible for user-supplied data used in calculations. Customer provided data such as volumes, areas, etc., cannot be verified by Quantem Laboratories, LLC.

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Wipe materials must meet ASTM E1792 criteria. Method detection limits and resultant reporting limits may not be valid for non-ASTM E1792 wipe material.

EPA Method 7000B (1) = EPA 600/R-93/200 Preparation Modified. EPA 7000B Analysis Modified

EPA Method 7082 (2) = EPA 600/R-93/200 Preparation Modified. EPA 7082 Analysis Modified

Supplemental Report QAQC Results

QA ID: 19650
Test: Lead

Date: 9/30/2021
Matrix: Wipe

Lab Number: 339575
Approved By: Cherry Rossen
Date Approved: 9/30/2021

Notes:

Blank Data:

Type of Blank	Blank Value
FCB	0
ICB	0
Matrix Blank 1	0
Matrix Blank 2	0

Standards Data:

Standard	Low Limit	Obtained	High Limit
CCV	2.2	2.6	2.8
FCV	2.2	2.5	2.8
ICV	0.9	1	1.1
RLVS	0.05	0.07	0.15

Duplicate Data:

Recovery Data:

Sample Number	Result	Spike Level	Result + Spike	% Recovery	Dup. Result + Spike	% Dup. Recovery	% Spike RPD
MS-W1	0.000	2.431	2.599	106.9	2.708	111.4	4.1
MS-W2	0.000	2.431	2.527	103.9	2.567	105.6	1.6

Authorized Signature: _____

Cherry Rossen

Cherry Rossen, Technical Manager

Supplemental Report QAQC Results

QA ID: 19653
Test: Lead

Date: 9/30/2021
Matrix: Soil

Lab Number: 339575
Approved By: Cherry Rossen
Date Approved: 9/30/2021

Notes: The RPD between sample duplicates exceeded the method or laboratory control limit.

Blank Data:

Type of Blank	Blank Value
FCB	0
ICB	0
Matrix Blank	0

Standards Data:

Standard	Low Limit	Obtained	High Limit
CCV	2.2	2.6	2.8
PCV	2.2	2.6	2.8
ICV	0.9	1.1	1.1
RLVS	0.08	0.17	0.24

Duplicate Data:

Sample Number	Result	Duplicate	% RPD
339713-004	0.527	0.330	45.9

Recovery Data:

Sample Number	Result	Spike Level	Result + Spike	% Recovery	Dup. Result + Spike	% Dup. Recovery	% Spike RPD
LCS-S1	0.000	2.431	2.652	109.1	2.689	110.6	1.4
339713-004	0.527	2.000	2.558	101.5			

Authorized Signature: _____

Cherry Rossen

Cherry Rossen, Technical Manager



LEAD CHAIN OF CUSTODY

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
 Lab No. 339515
 Accept Reject

Contact Information		Project Information	
Company: Cherokee Nation Environmental Programs	Phone: (918) 453-5000	Project Name: John Doe	Report Results (<input checked="" type="checkbox"/> one box)
Contact: C. Nicolas Clark	Cell Phone: (918) 316-7451	Project Location: Vinita	<input type="radio"/> Quantem Website
Account #: C162	E-mail: carlton-clark@cherokee.org	Project ID:	<input checked="" type="radio"/> Email carlton-clark@cherokee.org
SAMPLED BY: Name: C. Nicolas Clark	Date: 09/22/2021	P.O. Number: 260136	<input type="radio"/> Other

RELINQUISHED BY: <i>C. Nicolas Clark</i>	DATE & TIME: 9/22/21 3pm	VIA: Fed Ex	RECEIVED BY: <i>CCM</i>	DATE & TIME: 9/28/21 8:00
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REQUESTED SERVICES (Please the Appropriate Boxes)

No.	Sample ID (10 Characters Max)	Sample Description	Volume or Area	Flame Atomic Absorption			Other Analysis	TURNAROUND TIME
				EPA 7000B	NIOSH 7082	Other Analysis		
				Paint Chips	Soil (mg/kg)	Wipes (ug/ft ²)	Air (ug/m ³)	
				wf% ppm mg/cm ²				
1	01	Living Room Floor	144 sq in			✓		Same Day
2	02	Living Room WS	66.50 sq in			✓		24 - Hour
3	03	Living Room WT	95 sq in			✓		3 - Day
4	04	Bedroom 1 Floor	144 sq in			✓		5 - Day
5	05	Bedroom 1 WS	66 sq in			✓		
6	06	Bath 2 Floor	144 sq in			✓		
7	07	Bath 2 WS	133 sq in			✓		
8	08	Bath 2 WT	39 sq in			✓		
9	09	Bedroom 3 Floor	144 sq in			✓		
10	10	Bedroom 3 WS	126 sq in			✓		
11	11	Bedroom 3 WT	39 sq in			✓		

SATURDAY FEDEX SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"
 Please Note - UPS and USPS are NOT available for Saturday Delivery



LEAD CHAIN OF CUSTODY

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
 Lab No. 339575
 Accept Reject

Project Information
 Company: Cherokee Nation Environmental Programs Project Name: John Doe Project Location: Vinita
 REQUESTED SERVICES (Please the Appropriate Boxes)

No.	Sample ID (10 Characters Max)	Sample Description	Volume or Area	Flame Atomic Absorption				Other Analysis								
				Paint Chips wt% ppm mg/cm ²	EPA 7000B Bulk (mg/kg)	NIOSH 7082 Soil (mg/kg)	Wipes (ug/t ²)	Air (ug/m ³)	TCLP - Pb	TCLP - RCRA 8	RCRA 8	Other				
12	12	Soil			✓											
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SATURDAY FEDEX SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"
 Please Note - UPS and USPS are NOT available for Saturday Delivery